| Issue Cla | assification |
|-----------|--------------|
|           |              |

| Application No.    | Applicant(s) |  |
|--------------------|--------------|--|
| 09/360,805         | CLUM ET AL.  |  |
| Examiner           | Art Unit     |  |
|                    |              |  |
| Michael G. Hartley | 1616         |  |

| - 2                                     |                          | IS        | SUE C                   | LASSIF              | ICATIO            | NC                         |                           |  |  |  |  |  |  |  |
|---|--------------------------|-----------|-------------------------|---------------------|-------------------|----------------------------|---------------------------|--|--|--|--|--|--|--|
| ORIGIN                                  | IAL                      |           | CROSS REFERENCE(S)      |                     |                   |                            |                           |  |  |  |  |  |  |  |
| CLASS                                   | SUBCLASS                 | CLASS     |                         |                     | S PER BLOCK)      |                            |                           |  |  |  |  |  |  |  |
| 514                                     | 5 <i>29</i>              | 514       | 557                     | 703                 | 725               | 859                        |                           |  |  |  |  |  |  |  |
| INTERNATIONAL CI                        |                          |           |                         |                     |                   |                            |                           |  |  |  |  |  |  |  |
| A 6 1 K                                 | 31/1৭                    | 7         |                         |                     |                   |                            |                           |  |  |  |  |  |  |  |
|   | <i></i>                  |           |                         |                     |                   |                            |                           |  |  |  |  |  |  |  |
|   | ,                        |           |                         |                     |                   |                            |                           |  |  |  |  |  |  |  |
|   | ,                        |           |                         |                     |                   |                            |                           |  |  |  |  |  |  |  |
|   | ,                        |           |                         |                     |                   |                            |                           |  |  |  |  |  |  |  |
|   | /                        |           |                         |                     |                   |                            |                           |  |  |  |  |  |  |  |
| الا ـــــــــــــــــــــــــــــــــــ | one                      |           | MICHA                   | ELG. HAF            | RTLEY             |                            | Total Claims Al           | lowed: 95  |  |  |  |  |  |  |
|   | Exami <b>y</b> ler) (Dat | e) /      | PRIM/                   | ARY EXAM            | IINER             |                            | , , , , , , , , , , , , , | ,,,,   |  |  |  |  |  |  |
|   | (But                     | 11/       | N In                    | ^ !! <sup>^</sup>   | <b>L</b>          |                            | 0.G.                      | 0.G.   |  |  |  |  |  |  |
| 1 ( /X V/x X                            | 11011                    | 11/12/    | ort-us                  | かってつ                | my 11/0           | 4/2004<br><sup>Date)</sup> | Print Claim(s)            | Print Fig.   |  |  |  |  |  |  |
| Untegation strume                       | nts Examiner             | (Dølfe) / | (Pri                    | mary Examinei       | ) (L              | ate)                       | 1 16                      | NONE   |  |  |  |  |  |  |
|   |                          |           |                         | <u> </u>            |                   |                            |                           |  |  |  |  |  |  |  |
| Claims renu                             | mbered in the            | same orde | r as preser             | nted by app         | licant [          | ] CPA                      | ☐ T.D.                    | ☐ R.1.47   |  |  |  |  |  |  |
| <u> </u>   <u> </u>                     | lar lar                  | _         | <u>a</u>                | <u>"</u>   <u>E</u> | -                 | <u> </u>                   |                           |  |  |  |  |  |  |  |
| Final                                   | Final                    | Final     | Original                | Final               |                   | Original                   | Final                     | Final  |  |  |  |  |  |  |
| _ 0                                     |                          |           |                         |                     |                   |                            |                           |  |  |  |  |  |  |  |
| 1 1                                     | 30                       |           | 61                      | 91                  | 4                 | 121                        | 21 151                    | 5( 181   |  |  |  |  |  |  |
| 3 3                                     | 32                       |           | <b>62</b><br><b>6</b> 3 | 92<br>98            | ┨ ├-              | 122<br>123                 | 2                         | 53 182<br>53 183   |  |  |  |  |  |  |
| 4 4                                     | 34                       |           | 64                      | 94                  | 1                 | 124                        | 24 154                    | \$2 182<br>53 183<br>54 184<br>\$5 185<br>\$6 186<br>\$7 187<br>\$8 188<br>\$9 189 |  |  |  |  |  |  |
| 5 5                                     | 35                       |           | <b>6</b> 5              | 95                  |                   | 125                        | 25 155                    | 55 185   |  |  |  |  |  |  |
| 6 6                                     | 36                       |           | 66                      | 96                  | 4                 | 126                        | 25 156<br>27 157          | <u>5</u> 6 186   |  |  |  |  |  |  |
| 7 7 8 8                                 | 37<br>3B                 |           | 67<br>68                | 97<br>98            | $\dashv$ $\vdash$ | 127<br>128                 | 27   157<br>28   158      | 57 187<br>58 188   |  |  |  |  |  |  |
| 9 9                                     | 39                       |           | 69                      | 99                  | 1                 | 129                        | 29 159                    | 59 189   |  |  |  |  |  |  |
| (U) 10                                  | 40                       |           | 70                      | 100                 |                   | 130                        | <i>30</i> 160             | 60 190   |  |  |  |  |  |  |
| (1 11                                   | 41                       |           | 71                      | 10                  |                   | 131                        | 31 161                    | 6 l 191  |  |  |  |  |  |  |
| 13 13                                   | 42                       |           | 72<br>73                | 103                 |                   | 132<br>133                 | 32   162<br>33   163      | 63 193   |  |  |  |  |  |  |
| 14 14                                   | 44                       |           | 74                      | 104                 |                   | 134                        | 34 164                    | 64 194   |  |  |  |  |  |  |
| 15 15                                   | 45                       |           | 75                      | 105                 |                   | 135                        | 35 165                    | <b>65</b> 195  |  |  |  |  |  |  |
| 16                                      | 46                       |           | 76                      | 106                 |                   | 136                        | 3.6 166                   | 66 196   |  |  |  |  |  |  |
| 1/7                                     | 47                       | -         | 77<br>78                | 107                 |                   | 187<br>188                 | 37 167<br>38 168          | 67 197<br>68 198   |  |  |  |  |  |  |
| 19                                      | 49                       |           | 79                      | 109                 |                   | 139                        | 3 <i>8</i> 168<br>39 169  | 69 199<br>70 200   |  |  |  |  |  |  |
| 20                                      | 50                       | I JEA     | 80                      | 110                 |                   | 140                        | 40 170                    | 70 200   |  |  |  |  |  |  |
| 21                                      | \$1                      |           | 81                      | 111                 |                   | 141                        |                           | 刊 201<br>72 202  |  |  |  |  |  |  |
| 22                                      | 52<br>53                 |           | 82<br>83                | 111                 |                   | 142<br>143                 | イン 172<br>イ3 173          | 7よ20273203   |  |  |  |  |  |  |
| 24                                      | 54                       |           | 84                      | 11                  |                   | 144                        | ¥4 174                    | 74 204   |  |  |  |  |  |  |
| 25                                      | 55                       |           | 85                      | 116                 | 5                 | 145                        | 45 175                    | 75 205   |  |  |  |  |  |  |
| 26                                      | 56                       |           | 86                      | 116                 |                   | 6 146                      | 46 176                    | 76 206<br>77 207   |  |  |  |  |  |  |
| 27                                      | 57<br>58                 |           | 87<br>88                | 117                 |                   | 7 147<br>8 148             | 48 178                    | 77 207   78 208  |  |  |  |  |  |  |
| 29                                      | 59                       |           | <b>8</b> 9              | 119                 | <del> </del>      | 9 149                      | 49 179                    | 79 209   |  |  |  |  |  |  |
| 30                                      | 60                       |           | 90                      | 120                 |                   | 0 150                      | SO 180                    | 79 209<br>80 210   |  |  |  |  |  |  |



| Application No.    | Applicant(s) |   |
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| 09/360,805         | CLUM ET AL.  |   |
| Examiner           | Art Unit     | - |
|                    |              |   |
| Michael G. Hartley | 1616         |   |

|             |                                 | IS    | SSUE C                            | LASSIF                  | ICATIC                   | N                                     |  |  |  |  |  |  |  |
|-------------|---------------------------------|-------|-----------------------------------|-------------------------|--------------------------|---------------------------------------|--|--|--|--|--|--|--|
| 0           | RIGINAL                         |       | CROSS REFERENCE(S)                |                         |                          |                                       |  |  |  |  |  |  |  |
| CLASS       | SUBCLASS                        | CLASS | SUBCLASS (ONE SUBCLASS PER BLOCK) |                         |                          |                                       |  |  |  |  |  |  |  |
| 514         | 529                             | 514   | 557                               | 557 703 725 859         |                          |                                       |  |  |  |  |  |  |  |
| INTERNATION | IAL CLASSIFICATION              |       |                                   |                         |                          |                                       |  |  |  |  |  |  |  |
|             | 1                               |       |                                   |                         |                          |                                       |  |  |  |  |  |  |  |
|             | l l                             |       |                                   |                         |                          |                                       |  |  |  |  |  |  |  |
|             | 1                               |       |                                   |                         |                          |                                       |  |  |  |  |  |  |  |
|             | 1                               |       |                                   |                         |                          |                                       |  |  |  |  |  |  |  |
|             | 1                               |       |                                   |                         |                          |                                       |  |  |  |  |  |  |  |
|             | wow E -<br>tant Examiner) (Date |       | AEL G. HA<br>ARY EXA              |                         | Total Claims Allowed: 95 |                                       |  |  |  |  |  |  |  |
| (Legal Inst | ruments Examiner) (             | Date) | M ble                             | 3 /4 (<br>mary Examiner | 511/04<br>11/04          | O.G. O.G.<br>Print Claim(s) Print Fig |  |  |  |  |  |  |  |

|          | Claims   | renur | mbere |          | e sam | e ord | er as į  | oresen | ted by | / appli  | cant |       | ☐ CPA ☐  |   |       | T.D.     |   | ☐ R.1.47                              |          |
|----------|----------|-------|-------|----------|-------|-------|----------|--------|--------|----------|------|-------|----------|---|-------|----------|---|---------------------------------------|----------|
| Final    | Original |       | Final | Original |       | Final | Original |        | Final  | Original |      | Final | Original |   | Final | Original |   | Final                                 | Original |
| 81       | 211      |       |       | 241      |       |       | 271      |        |        | 301      |      |       | 331      |   |       | 361      |   | _                                     | 391      |
| 82       | 212      |       |       | 242      |       |       | 272      |        |        | 302      |      |       | 332      |   | -     | 362      |   |                                       | 392      |
| 13       | 213      |       |       | 243      |       |       | 273      | ] ;    |        | 303      |      |       | 333      |   |       | 363      |   |                                       | 393      |
| 84       | 214      |       |       | 244      | 2     |       | 274      |        |        | 304      |      |       | 334      |   |       | 364      |   |                                       | 394      |
| 85       | 215      |       |       | 245      |       |       | 275      |        |        | 305      |      |       | 335      |   |       | 365      |   |                                       | 395      |
| 86       | 216      |       |       | 246      |       |       | 276      |        |        | 306      |      |       | 336      |   |       | 366      |   |                                       | 396      |
| 87       | 217      |       |       | 247      |       |       | 277      |        |        | 307      |      |       | 337      |   |       | 367      |   |                                       | 397      |
| 88       | 218      |       |       | 248      |       |       | 278      | i i    |        | 308      |      |       | 338      |   |       | 368      |   | · · · · · · · · · · · · · · · · · · · | 398      |
| 89       | 219      |       |       | 249      |       |       | 279      |        |        | 309      |      |       | 339      |   |       | 369      |   |                                       | 399      |
| 90       | 220      |       |       | 250      |       |       | 280      |        |        | 310      |      |       | 340      |   |       | 370      |   |                                       | 400      |
| 91       | 221      |       |       | 251      |       |       | 281      | ]      |        | 311      |      |       | 341      |   |       | 371      |   |                                       | 401      |
| 92       | 222      |       |       | 252      |       |       | 282      |        |        | 312      |      |       | 342      |   |       | 372      |   |                                       | 402      |
| 93       | 223      |       |       | 253      | i     |       | 283      |        |        | 313      |      |       | 343      |   |       | 373      |   |                                       | 403      |
| 94       | 224      |       |       | 254      |       |       | 284      |        |        | 314      |      |       | 344      | Ì |       | 374      |   | _                                     | 404      |
| 95       | 225      |       |       | 255      |       |       | 285      | 1      |        | 315      |      |       | 345      |   |       | 375      |   |                                       | 405      |
|          | 226      |       |       | 256      |       |       | 286      |        |        | 316      |      |       | 346      |   |       | 376      |   |                                       | 406      |
|          | 227      |       |       | 257      |       |       | 287      |        |        | 317      |      |       | 347      |   |       | 377      |   |                                       | 407      |
|          | 228      |       |       | 258      |       |       | 288      |        |        | 318      |      |       | 348      |   |       | 378      |   |                                       | 408      |
|          | 229      |       |       | 259      |       |       | 289      |        |        | 319      |      |       | 349      |   |       | 379      |   |                                       | 409      |
|          | 230      | ļ     |       | 260      |       |       | 290      |        |        | 320      |      |       | 350      |   |       | 380      |   |                                       | 410      |
|          | 231      |       |       | 261      |       |       | 291      |        |        | 321      |      |       | 351      |   |       | 381      |   |                                       | 411      |
|          | 232      |       |       | 262      | ļ     |       | 292      |        |        | 322      |      |       | 352      | [ |       | 382      |   |                                       | 412      |
|          | 233      | ļ     |       | 263      | [     |       | 293      |        |        | 323      |      |       | 353      |   |       | 383      |   |                                       | 413      |
|          | 234      |       |       | 264      |       |       | 294      |        |        | 324      |      | ,     | 354      | [ |       | 384      |   |                                       | 414      |
|          | 235      | ļ     |       | 265      | ļ     |       | 295      |        |        | 325      |      |       | 355      | [ |       | 385      |   |                                       | 415      |
|          | 236      | 1     |       | 266      | ļ     |       | 296      |        |        | 326      |      |       | 356      | [ |       | 386      |   |                                       | 416      |
| <u> </u> | 237      | ļ     |       | 267      | Į     |       | 297      |        |        | 327      |      |       | 357      | Ţ |       | 387      |   |                                       | 417      |
|          | 238      | 1     |       | 268      | Į     |       | 298      |        |        | 328      |      |       | 358      | Ī |       | 388      |   |                                       | 418      |
|          | 239      | ļ     |       | 269      |       |       | 299      |        |        | 329      |      |       | 359      | ľ |       | 389      |   |                                       | 419      |
|          | 240      |       |       | 270      |       |       | 300      | ĺ      |        | 330      |      |       | 360      | Ī |       | 390      | ı |                                       | 420      |